

This listing of claims will replace all prior versions, and listings, of claims in the application

LISTING OF CLAIMS

1. (currently amended) A circuit arrangement, comprising:

5 a transmission unit for inserting data belonging to at least two terminal equipment types or services that are capable of including both voice and data in a common frame having a frame length, said transmission unit comprising an insertion mechanism for inserting said data of the at least two terminal equipment types, said data of all terminal equipment
10 types being synchronously inserted into said common frame with a common channel for operational control and transmitted with a digital time-division multiplex technique.

2. (previously presented) A circuit arrangement, comprising:

15 a reception unit for dividing a datastream transmitted in a frame, said frame comprising data belonging to at least two terminal equipment types or services that are capable of including both voice and data, by a transmitter to at least one terminal equipment type of said at least two terminal equipment types; and

20 a switch module for a purpose-conforming division of said datastream transmitted in said frame, in which a further division onto further terminal equipment of said at least two terminal equipment types or services is undertaken based on control data.

25 3. (original) A circuit arrangement, comprising a transmission-reception unit which comprises said transmission unit of claim 1, and said reception unit of claim 2.

4. (currently amended) A method for transmitting a data stream in a common frame with a common channel for operational control belonging to at least two terminal equipment types or services that are capable of including both voice and data, comprising the steps of:

5 synchronously inserting data of said at least two terminal equipment types or services into said common frame in a first unit;

transmitting said data to a second unit with a time-division multiplex method;
and

10 dividing said data stream in said common frame to terminal devices of at least two terminal equipment types or services in said second unit.

5. (previously presented) A method according to claim 4, further comprising the step of depositing data for operational control of connections to which at least two terminal equipment types or services that is capable of including both voice and
15 data are connected in a single operating eoc channel of said frame.

6. (original) A method according to claim 5, wherein said connections are telephony connections, ISDN connections or broadband connections.

20 7. (original) A method according to claim 4, further comprising the step of filling a payload data region available in a frame in a terminal equipment-specific manner depending on a transmission rate of a transmission link.

25 8. (original) A method according to claim 4, further comprising the step of connecting a plurality of terminal equipment of at least one terminal equipment type to a transmission-reception unit.

9. (currently amended) A method according to claim 4, further comprising the steps of:

providing bits for operational control in said data belonging to said terminal equipment types or services; and

5 arranging said bits outside of a payload data region provided for said terminal types or services ~~equipment~~.

10. (original) A method according to claim 9, wherein said bits for operational control are arranged in an overhead of said frame.

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11. (original) A method according to claim 10, further comprising the steps of:
allocating said bits for operational control to an operating eoc channel; and
addressing said bits for operational control via a sub-address in a message format of said operating channel.

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12. (original) A method according to claim 4, further comprising the step of accepting data of a plurality of ISDN connections in said frame, said frame being a symmetric digital subscriber line frame.

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13. (original) A method according to claim 4, further comprising the step of accepting data of a plurality of traditional telephony connections in said frame, said frame being a symmetric digital subscriber line frame.

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14. (previously presented) A method according to claim 4, wherein said step of transmitting said data comprises transmitting said data of a symmetric digital subscriber line frame synchronously on a transmission link between said first unit,

which is a network node, and said second unit, which is a network termination unit with a time-division multiplex method.

15. (canceled).

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16. (currently amended) A method for transmitting a data stream in a common frame with a common channel for operational control belonging to at least two terminal equipment types or services that are capable of including both voice and data, comprising the steps of:

10 synchronously inserting data of said at least two terminal equipment types or services into said common frame in a first unit;
synchronously transmitting said data to a second unit with a time-division multiplex method; and
dividing said data stream of said common frame to terminal devices of at
15 least two terminal equipment types or services in said second unit.

17-21. (canceled).

22. (new) The circuit arrangement according to claim 1, wherein the common
20 frame is an SDSL frame.

23. (new) The circuit arrangement according to claim 22, wherein the data belonging to at least two terminal equipment types or services are provided within an ISDN service that are transmitted inside of the SDSL frame.